

Data Sources

Abuse and Neglect Statistics. Child abuse and neglect statistics were obtained via special tabulation by the County of Los Angeles, Department of Children and Family Services, 2006. Elder and dependent adult abuse statistics were obtained via special tabulation by the County of Los Angeles, Adult Protective Services, Department of Community and Senior Services, 2008.

Crime Statistics. State of California, Office of the Attorney General, Department of Justice, Criminal Justice Statistics Center. http://stats.doj.ca.gov/cjsc_stats/prof05/19/11.pdf. More detailed geographic data for the Los Angeles Police Department (LAPD) is available in their Statistical Digest 2005. Data are published for the Central, South, West and Valley Bureaus; there are 19 stations within these bureaus. For more information, please see the Los Angeles Police Department Statistical Digest 2005, Information Technology Division Management Report Unit, http://www.lapdonline.org/crime_maps_and_compstat/content_basic_view/9098. The County of Los Angeles Sheriff's Department, 2005 Crime and Arrest Statistics, breaks the unincorporated data in to smaller geographic units. For more information, please see County of Los Angeles Sheriff's Department 2005 Crime and Arrest Statistics, Management Information Services, <http://www.lasd.org/sites/YIR/index.htm>. Probation data was obtained via special tabulation by the County of Los Angeles, Department of Probation, 2008.

Demographic Estimates. The demographic

estimates incorporated data from the American Community Survey, 2005, 2006, 2007 (ACS). The ACS, designed by the US Census Bureau to eventually replace the Decennial Census, collects data on a rolling basis, surveying approximately 3 million households each year. This continuous sampling method provides more current and accurate data than the Decennial Census. Additionally the ACS allows for the analysis of small geographic areas such as those found in the present report. Public Use Microdata Areas or PUMAs have made it possible to examine communities within the County's service areas. For more information on the ACS, see <http://www.census2010.gov/acs/www/>.

Economic Data. Poverty estimates (e.g. the number of Individuals living at or below 200% of Federal Poverty Level in Los Angeles County) and self reported unemployment rates such were obtained from the U.S., Bureau of the Census, 2005 American Community Survey. Other employment data was obtained from the State of California Employment Development Department. Medi-Cal eligibility data was obtained from the California State-Issued Monthly Medi-Cal Eligibility Data Systems (MEDS) Extracted File, May, 2007.

Education Data. High school and college graduation rates were provided by the US Census Bureau's ACS 2005. 3rd grade reading rates, English literacy rates, and drop out data was provided by the State of California, Department of Education.

Homeless Statistics. Homeless statistics were

obtained from the Los Angeles Homeless Services Authority's Greater Los Angeles Homeless Count. For more information, please see <http://www.lahsa.org/homelesscount.asp>.

Mental Health Statistics. Mental health diagnoses, mental health emergency data, and mental health therapist language data were provided by the County of Los Angeles Department of Mental Health, 2008. SMI estimates were provided by the California State Department of Mental Health, Statistics and Data Analysis, 2008.

Vital and Health Statistics. Vital and Health statistics were provided by the County of Los Angeles, Department of Health Services and the Department of Public Health. Teen Pregnancy Statistics were obtained via special tabulation by the County of Los Angeles, Department of Health Services, 2005.

Data Definitions and Formulae

APS Rate1

$(\text{Number of open APS cases} * 1000) / 18+ \text{ community population}$

APS Rate2

$((\text{Number of open APS cases} * 1000) / 65+ \text{ community population}) * ((65+ \text{ community population} / 18+ \text{ community population}) / (65+ \text{ County population} / 18+ \text{ County population}))$

Child Abuse and Neglect Rate (CAN Rate):

$(\text{Number of substantiated case} * 100) / \text{child community population}$

Client/Provider Ratio:

$\text{Number of DMH clients} / \text{number of DMH rendering providers}$

Population/Provider Ratio:

$(\text{Community ethnic population} * 10,000) / \text{number of DMH rendering providers}$

Disrupted Families:

$\text{Number of intact families} / \text{number of single parent families}$

Infant Death Rate:

$(\text{Number of Infant Deaths under 1 year of age} * 1000) / \text{number of live births}$

High School Graduation Rate:

$(\text{Number of high school seniors who graduated} / \text{number students enrolled in senior year of high school}) * 100$

Mental Health Emergency Rate (MHE-Rate):

$(\text{Number of mental health emergency calls} * 1000) / \text{community population}$

Penetration Rate:

$\text{Individuals Receiving MHS} / (\text{total community population} * \text{SMI prevalence})$

Suicide Rate:

$(\text{Number of suicides} * 100,000) / \text{community population}$

Triage Response Acuity:

$((\text{Number of immediate responses} * 5) + (\text{number of 3-day responses} * 2) + (\text{number of 5-day responses} * 1) + (\text{number of 10-day responses} * 1)) / \text{child community population}$

Unemployment Rate

$(\text{Number of unemployed people} / \text{total civilian workforce}) * 100$

Violent Crime Rate:

(Number of crimes per Sheriff reporting district* 100,000)/total population in the reporting district

4 Year Dropout Rate:

$$(1 - ((1 - (\text{Reported or Adjusted Gr. 9 Dropouts} / \text{Gr. 9 Enrollment})) * (1 - (\text{Reported or Adjusted Gr. 10 Dropouts} / \text{Gr. 10 Enrollment})) * (1 - (\text{Reported or Adjusted Gr. 11 Dropouts} / \text{Gr. 11 Enrollment})) * (1 - (\text{Reported or Adjusted Gr. 12 Dropouts} / \text{Gr. 12 Enrollment})))) * 100$$

References

- Abe-Kim, J., Takeuchi, D. T., Hong, S., Zane, N., Sue, S., Spencer, M. S., et al. (2007). Use of mental health-related services among immigrant and US-born Asian Americans: results from the National Latino and Asian American Study. *American Journal of Public Health*, 97(1), 91-8. doi: AJP.H.2006.098541.
- Alexander, K. L., Entwisle, D. R., & Horsey, C. S. (1997). From First Grade Forward: Early Foundations of High School Dropout. *Sociology of Education*, 70.
- American Psychiatric Association. (2000). *Diagnostic and Statistical Manual of Mental Disorders DSM-IV-TR* (4th ed.). Washington, DC: American Psychiatric Association.
- Baker, M. W. 1. (2007). Elder Mistreatment: Risk, Vulnerability, and Early Mortality. *Journal of the American Psychiatric Nurses Association*. Vol 12(6), 313-321.
- Brady, K. T. 1., Killeen, T. K., Brewerton, T., & Lucerini, S. (2000). Comorbidity of psychiatric disorders and posttraumatic stress disorder. *Journal of Clinical Psychiatry*. Special Issue: New strategies for the treatment of posttraumatic stress disorder. Vol 61(Suppl7), 22-32.
- California Department of Education. Dropout Reporting (CA Department of Education). Retrieved August 7, 2008, from <http://dq.cde.ca.gov/dataquest/DropoutReporting/DropoutsByED.aspx?cDistrictName=LOS%20ANGE-LES&cCountyCode=1900000&cDistrictCode=0000000&cSchoolCode=0000000&Level=County&TheReport=EthOnly&ProgramName=Al>
- [l&cYear=2006-07&cAggSum=CTotGrade&cGender=B](http://www.labormarketinfo.edd.ca.gov).
- California Labor Market Info, The Economy. Retrieved June 9, 2008, from <http://www.labormarketinfo.edd.ca.gov>.
- California State Department of Mental Health. (2007, September). *Mental Health Services Act, Proposed Guidelines, Prevention and Early Intervention Component of the Three-Year Program and Expenditure Plan, Fiscal Years 2007-08 and 2008-09*. Retrieved April 3, 2008, from http://www.dmh.cahwnet.gov/DMHDocs/2007_Notices.asp#N0719.
- California State Department of Mental Health, Statistics and Data Analysis. (2008). *Estimates of Need for Mental Health Services by Age, Sex, and Race/Ethnicity, for Household Population For California, Los Angeles County (037) Serious Mental Illness (wsmi01) for 2000*. Retrieved from http://www.dmh.cahwnet.gov/Statistics_and_Data_Analysis/CNE2/Calif_CD/q5asr.htm/California/q5asr2k_wsmi01_ca037_p0.htm.
- Choi, Y., Harachi, T. W. 2., Gillmore, M. R., & Catalano, R. F. 2. (2006). Are Multiracial Adolescents at Greater Risk? Comparisons of Rates, Patterns, and Correlates of Substance Use and Violence Between Monoracial and Multiracial Adolescents. *American Journal of Orthopsychiatry*. Vol 76(1), (2006), 86-97.
- Cohen, P., Brown, J., & Smailes, E. (2001). Child abuse and neglect and the development of mental disorders in the general

population. *Development and Psychopathology*. Vol 13(4), 981-999.

Cook, B. L., McGuire, T., & Miranda, J. (2007). Measuring trends in mental health care disparities, 2000-2004. *Psychiatric Services* (Washington, D.C.), 58(12), 1533-40. doi: 10.1176/appi.ps.58.12.1533.

County of Los Angeles, Department of Public Health. LA County Public Health - Health Assessment. 2005 LA County Health Survey. Retrieved August 7, 2008, from <http://www.lapublichealth.org/ha/hasurveyintro.htm>.

Dew, M. A., Penkower, L., & Bromet, E. J. (1991). Effects of Unemployment on Mental Health in the Contemporary Family. *Behavior Modification*, 15(4), 501-544. doi: 10.1177/01454455910154004.

Gary, F. A. 1. (2005). Stigma: Barrier to mental health care among ethnic minorities. *Issues in Mental Health Nursing*. Vol 26(10), 979-999.

United States Census Bureau. American Communities Survey 2005, Narrative for Los Angeles County. Generated by Randy Ahn using American FactFinder. (2008). Retrieved from <http://factfinder.census.gov>.

Goodman, A. B. 1., & Haugland, G. (1994). Mental health service needs assessment. *Administration and Policy in Mental Health*. Vol 21(3), (1994), 173-197.

Gwadz, M. V., Nish, D., Leonard, N. R. 1., & Strauss, S. M. 3. (2007). Gender differences in traumatic events and rates of post-traumatic stress disorder among homeless youth. *Journal of Adolescence*. Vol 30(1), 117-129.

Hirschfield, P., Maschi, T., & Raskin White,

H. (2006). Mental health and juvenile arrests: Criminality, criminalization, or compassion? *Criminology*, 44(3), 593-630.

Kaplow, J. B. 1., & Widom, C. S. (2007). Age of Onset of Child Maltreatment Predicts Long-Term Mental Health Outcomes. *Journal of Abnormal Psychology*. Vol 116(1), 176-187.

Leventhal, T., & Brooks-Gunn, J. (2000). The neighborhoods they live in: the effects of neighborhood residence on child and adolescent outcomes. *Psychological Bulletin*, 126(2), 309-37.

Lloyd, D. N. 1. (1978). Prediction of school failure from third-grade data. *Educational and Psychological Measurement*. Vol 38(4), (1978), 1193-1200.

Lynn Wombold. Sample Size Matters / Caveats for users of ACS tabulations. Retrieved June 25, 2008, from <http://www.esri.com/news/arcuser/0408/samplesize.html>.

Marshall, G. N., Schell, T. L., Elliott, M. N., Berthold, S. M., & Chun, C. (2005). Mental Health of Cambodian Refugees 2 Decades After Resettlement in the United States. *JAMA: Journal of the American Medical Association*. Vol 294(5), 571-579.

McCrosky, J. (2006). Youth in the Los Angeles County Juvenile Justice System: Current Conditions and Possible Directions for Change. Los Angeles County Children's Planning Council.

McGee, C. (2002). Benefits of Using Prevalence Estimates in Penetration Rates. In National MHSIP Conference.

McKee-Ryan, F., Song, Z., Wanberg, C. R. 2., & Kinicki, A. J. 3. (2005). Psychological and Physical Well-Being During Unemployment:

- A Meta-Analytic Study. *Journal of Applied Psychology*. Vol 90(1), (2005), 53-76.
- Nemeroff, C. B. 1., Bremner, J. D., Foa, E. B. 3., Mayberg, H. S. 4., North, C. S. 5., & Stein, M. B. 6. (2006). Posttraumatic stress disorder: A state-of-the-science review. *Journal of Psychiatric Research*. Vol 40(1), 1-21.
- Oquendo, M., Brent, D. A., Birmaher, B., Greenhill, L., Kolko, D., Stanley, B., et al. (2005). Posttraumatic Stress Disorder Comorbid With Major Depression: Factors Mediating the Association With Suicidal Behavior. *American Journal of Psychiatry*. Vol 162(3), 560-566.
- Padgett, D. K., Hawkins, R. L., Abrams, C., & Davis, A. (2006). In their own words: trauma and substance abuse in the lives of formerly homeless women with serious mental illness. *The American Journal of Orthopsychiatry*, 76 (4), 461-7. doi: 2006-23054-007.
- Purcell, J. (2000). Dropout Prevention Strategies for Hispanic Students. Report: ED448218. 16pp. 2000.
- Shih, M., & Sanchez, D. T. 2. (2005). Perspectives and Research on the Positive and Negative Implications of Having Multiple Racial Identities. *Psychological Bulletin*. Vol 131(4), 569-591.
- Silver, E., Mulvey, E. P. 2., & Swanson, J. W. 3. (2002). Neighborhood structural characteristics and mental disorder: Faris and Dunham revisited. *Social Science & Medicine*. Vol 55(8), 1457-1470.
- Simpson, S. M., Krishnan, L. L., Kunik, M. E., & Ruiz, P. (2007). Racial disparities in diagnosis and treatment of depression: a literature review. *The Psychiatric Quarterly*, 78(1), 3-14. doi: 10.1007/s11126-006-9022-y.
- Skiba, R. J. 1., & Peterson, R. L. (2000). School discipline at a crossroads: From zero tolerance to early response. *Exceptional Children*. Vol 66(3), 335-346.
- Snowden, L. R., Masland, M., & Guerrero, R. Federal civil rights policy and mental health treatment access for persons with limited English proficiency. *The American psychologist*, 62(2), 109-17.
- Springer, K. W. 1., Sheridan, J., Kuo, D., & Carnes, M. (2007). Long-term physical and mental health consequences of childhood physical abuse: Results from a large population-based sample of men and women. *Child Abuse & Neglect*. Vol 31(5), 517-530.
- State of California Employment Development Department. Current Statistics: Three-Year Trend in California and U.S. Unemployment Rates. Overview, California LaborMarketInfo. Retrieved June 9, 2008, from <http://www.labormarketinfo.edd.ca.gov/>.
- Stewart, A. J. 1., Steiman, M., Cauce, A. M., Cochran, B. N. 2., Whitbeck, L. B. 3., & Hoyt, D. R. 3. (2004). Victimization and posttraumatic stress disorder among homeless adolescents. *Journal of the American Academy of Child & Adolescent Psychiatry*. Vol 43(3), 325-331.
- United States Census Bureau. American Communities Survey 2005, Narrative for Los Angeles County. Generated by Randy Ahn using American FactFinder. (2008). Retrieved from <http://factfinder.census.gov>.
- United States Census Bureau. Labor Force Statistics - Guidance on Differences in Employment and Unemployment Estimates

from Different Sources. . Retrieved August 4, 2008, from <http://www.census.gov/hhes/www/laborfor/laborguidance082504.html>.

United States Census Bureau. Using the American Community Survey: Benefits and Challenges. . Retrieved June 25, 2008, from http://www.nap.edu/catalog.php?record_id=11901#toc.

United States Department of Justice, Federal Bureau of Investigation, Criminal Justice Information Services Division. (2006). 2006 Hate Crime Statistics, Table 13, California Hate Crime Incidents, Bias Motivation by State and Agency, 2006. Retrieved from <http://www.fbi.gov/ucr/hc2006/table13ca.html>.

United States Department of Health & Human Services. The 2005 HHS Poverty Guidelines / One Version of the [U.S.] Federal Poverty Measure. Retrieved April 22, 2008, from <http://aspe.hhs.gov/poverty/05poverty.shtml>.

United States Department of Health and Human Services, Office of the Surgeon General, SAMHSA. Mental Health: Culture, Race, and Ethnicity. Retrieved June 25, 2008, from <http://mentalhealth.samhsa.gov/cre/default.asp>.

Wadsworth, M. E., & Achenbach, T. M. (2005). Explaining the link between low socioeconomic status and psychopathology: testing two mechanisms of the social causation hypothesis. *Journal of Consulting and Clinical Psychology*, 73(6), 1146-53.

Welsh, B. C. 1., Loeber, R., Stevens, B. R. 3., Stouthamer-Loeber, M., Cohen, M. A. 4., & Farrington, D. P. 5. (2008). Costs of juvenile crime in urban areas: A longitudinal perspec-

tive. *Youth Violence and Juvenile Justice*. Vol 6(1), (2008), 3-27.

WHO | Depression. Retrieved April 22, 2008, from http://www.who.int/mental_health/management/depression/definition/en/.

Zerger, S., Strehlow, A. J., & Gundlapalli, A. V. (2008). Homeless young adults and behavioral health: An overview. *American Behavioral Scientist*. Vol 51(6), 824-841.

Recommended Reading

- Agaibi, C. E., & Wilson, J. P. (2005). Trauma, PTSD, and Resilience: A Review of the Literature. *Trauma*, 195-216.
- Borges, G., Angst, J., Nock, M. K., Ruscio, A. M., & Kessler, R. C. (2008). Risk factors for the incidence and persistence of suicide-related outcomes: A 10-year follow-up study using the National Comorbidity Surveys. *Journal of Affective Disorders*. Vol 105(1-3), (2008), 25-33.
- Brook, R., Klap, R., Liao, D., & Wells, K. B. (2006). Mental health care for adults with suicide ideation. *General Hospital Psychiatry*. Vol 28(4), 271-277.
- Bryant, K. D. (2006). Update on adolescent pregnancy in the Black community. *The ABNF journal : official journal of the Association of Black Nursing Faculty in Higher Education, Inc*, 17(4), 133-6. doi: 17252878.
- Cagle, L. T., & Banks, S. M. (1986). The validity of assessing mental health needs with social indicators. *Evaluation and Program Planning*. Vol 9(2), 127-142.
- Cauce, A. M., Domenech-Rodríguez, M., Paradise, M., Cochran, B. N., Shea, J. M., Srebnik, D., et al. (2002). Cultural and contextual influences in mental health help seeking: a focus on ethnic minority youth. *Journal of Consulting and Clinical Psychology*, 70(1), 44-55. doi: 11860055.
- Children Now. (2007, August). Children in Immigrant Families A California Data Brief. Children Now.
- Children Now. (2008). California Report Card The State of the State's Children: 2008. Retrieved from childrennow.org.
- Cochran, S. D., Mays, V. M., Alegria, M., Ortega, A. N., & Takeuchi, D. (2007). Mental health and substance use disorders among Latino and Asian American lesbian, gay, and bisexual adults. *Journal of Consulting and Clinical Psychology*, 75(5), 785-94. doi: 2007-13640-011.
- Cook, B. L., McGuire, T., & Miranda, J. (2007). Measuring trends in mental health care disparities, 2000-2004. *Psychiatric Services (Washington, D.C.)*, 58(12), 1533-40. doi: 58/12/1533.
- County of Los Angeles Public Health. (2007, April). Key Indicators of Health. County of Los Angeles Public Health.
- Dew, M. A., Penkower, L., & Bromet, E. J. (1991). Effects of unemployment on mental health in the contemporary family. *Behavior Modification*. Special Issue: Environmental risk factors in the development of psychopathology. Vol 15(4), 501-544.
- Evans, E., Hawton, K., & Rodham, K. (2004). Factors associated with suicidal phenomena in adolescents: A systematic review of population-based studies. *Clinical Psychology Review*. Vol 24(8), 957-979.
- Gleason, P., & Dynarski, M. (2002). Do we know whom to serve? Issues in using risk factors to identify dropouts. *Journal of Education for Students Placed at Risk*. Vol 7(1), 25-41.
- Hinshaw, S. P. (2005). The stigmatization of mental illness in children and parents: Developmental issues, family concerns, and re-

- search needs. *Journal of Child Psychology and Psychiatry*. Vol 46(7), 714-734.
- Holzer, C. Estimation of Need for Mental Health Services . Retrieved August 27, 2008, from http://psy.utmb.edu/estimation/3_Synthetic/syn_CPES.htm.
- Inter-agency Council on Child Abuse and Neglect. (2006). *The State of Child Abuse in Los Angeles County*.
- Joseph Martinez and Bill Pitkin. (2007, November). *Homelessness in Los Angeles County*. United Way of Greater Los Angeles.
- Kaplow, J. B., & Widom, C. S. (2007). Age of Onset of Child Maltreatment Predicts Long-Term Mental Health Outcomes. *Journal of Abnormal Psychology*. Vol 116(1), 176-187.
- Kempf-Leonard, K. (2007). Minority Youths and Juvenile Justice: Disproportionate Minority Contact After Nearly 20 Years of Reform Efforts. *Youth Violence and Juvenile Justice*. Vol 5(1), (2007), 71-87.
- Kessler, R. C., Merikangas, K. R., & Wang, P. S. (2007). Prevalence, comorbidity, and service utilization for mood disorders in the United States at the beginning of the twenty-first century. *Annual Review of Clinical Psychology*, 3, 137-58. doi: 10.1146/annurev.clinpsy.3.022806.091444.
- Lopez-Williams, A., Stoep, A. V., Kuo, E., & Stewart, D. G. (2006). Predictors of mental health service enrollment among juvenile offenders. *Youth Violence and Juvenile Justice*. Vol 4(3), 266-280.
- Los Angeles County Children's Planning Council. 2006 Children's ScoreCard. Retrieved May 29, 2008, from <http://www.lapublichealth.org/childpc/publications.asp>.
- Los Angeles County Commission on Human Relations. (2006). 2006 Hate Crime Report.
- Los Angeles County Department of Health and The UCLA Center for Health Policy Research Services. (2000, January). *The Burden of Disease in Los Angeles County*.
- Los Angeles Homeless Services Authority. 2007 Greater Los Angeles Homeless Count. Retrieved May 5, 2008, from <http://www.lahsa.org/2007homelesscountreport.asp>.
- Malia, J. A. (2007). A reader's guide to family stress literature. *Journal of Loss & Trauma*. Vol 12(3), 223-243.
- Martinez, J., & Pitkin, B. (2007, November). *Research Policy and Brief: Homelessness in Los Angeles County*. Center for Community Research and Solutions, United Way of Greater Los Angeles.
- Nemeroff, C. B., Bremner, J. D., Foa, E. B., Mayberg, H. S., North, C. S., & Stein, M. B. (2006). Posttraumatic stress disorder: A state-of-the-science review. *Journal of Psychiatric Research*. Vol 40(1), 1-21.
- Pitkin, B., Garcia, A. & Martinez, J. (2007). *Quality of Life in Los Angeles 2007 State of the County Report*. United Way of Greater Los Angeles.
- Robert García and Aubrey White. *Healthy Parks, Schools, and Communities: Mapping Green Access and Equity for the Los Angeles Region*. Retrieved May 29, 2008, from <http://www.cityprojectca.org/publications/index.html>.
- Russell, S. T. (2003). Sexual minority youth and suicide risk. *American Behavioral Science*.

tist. Special Issue: Suicide in Youth. Vol 46(9), 1241-1257.

Simpson, S. M., Krishnan, L. L., Kunik, M. E., & Ruiz, P. (2007). Racial disparities in diagnosis and treatment of depression: a literature review. *The Psychiatric Quarterly*, 78(1), 3-14. doi: 10.1007/s11126-006-9022-y.

Springer, K. W., Sheridan, J., Kuo, D., & Carnes, M. (2007). Long-term physical and mental health consequences of childhood physical abuse: Results from a large population-based sample of men and women. *Child Abuse & Neglect*. Vol 31(5), 517-530.

The Kyser Center for Economic Research, Los Angeles County Economic Development Corporation. (2007, July). LA Stats. Retrieved May 29, 2008, from <http://www.laedc.org/reports/#stats>.

U.S. Department of Health and Human Services. (1999). *Mental Health: A Report of the Surgeon General—Executive Summary*. U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Center for Mental Health Services, National Institutes of Health, National Institute of Mental Health.

United Way. (2007). *Zip Code Data Book*.

US Census Bureau. (2005). *American Community Survey/Puerto Rico Community Survey Subject Definitions*.

Wong, E. C., Marshall, G. N., Schell, T. L., Elliott, M. N., Hambarsoomians, K., Chun, C., et al. (2006). Barriers to mental health care utilization for U.S. Cambodian refugees. *Journal of Consulting and Clinical Psychology*, 74(6), 1116-20. doi: 2006-22003-012.